

***NATIONAL WEATHER SERVICE WESTERN REGION SUPPLEMENT 10-2002  
APPLICABLE TO INSTRUCTION 10-922  
DECEMBER 19, 2002***

***Operations and Services  
Hydrologic Services, NWSPD 10-9  
Weather Forecast Office Hydrologic Products Specifications, NWSI 10-922  
WFO PUBLIC HYDROLOGIC PRODUCTS***

**OPR:** W/WR2x2 (M. Schmidt)

**Certified by:** W/WR2 (R. Tibi)

**Type of Issuance:** Initial.

***SUMMARY OF REVISIONS:*** This directive supersedes Regional Operations Manual Letter (ROML) W-16-01, filed with WSOM Chapter E-22.

Signed

12/05/02

Vickie Nadolski

Date

Director, Western Region

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1. Description: The purpose of this supplement is to clarify the implementation of NWSI 10-922 in Western Region, and to establish regional policy related to the headers, issuance criteria, contents and format of the WFO public hydrologic products.

2. Format and Procedures.

2.1 WFO Public Hydrologic Product Headers: All Western Region WFO public hydrologic products shall be issued under one of the following 7 product IDs and their associated unique MND header:

- A. ESF - Hydrologic Outlook
- B. FFA - Flood Watch
- C. FFW - Flash Flood Warning
- D. FLW - Flood Warning
- E. FLS - Flood Statement
- F. RVS - Hydrologic Statement
- G. RVD - Daily River and Lake Summary

A table is provided in this supplement describing which product ID and associated MND headers should be used for each type of WFO public hydrologic product and the issuance criteria for those products. The MND header may not be changed. A phrase describing the type of product should be included in the headline of the product. Examples of product headers and headlines are provided in Appendix A.

2.2 Product Issuance Criteria: Products are issued according to the issuance criteria stated in NWSI 10-922, and in the table in this Supplement.

The RVD product shall only be issued for daily river forecast points, i.e. points for which the RFC provides daily year-round, non-automated forecast guidance.

2.3 Product Content and Format: Product content and format are described in NWSI 10-922. Products shall only include information available to the forecasters at the time of product preparation, therefore it is expected that some products will be issued without some of the contents described in NWSI 10-922. For example, if the category of flooding is not known (minor, moderate, or major), that information should not be included in the product.

APPENDIX A

HEADER EXAMPLES

A. Hydrologic Outlooks - ESF:

*FGUS76 KPQR 132231  
ESFPQR*

*HYDROLOGIC OUTLOOK  
NATIONAL WEATHER SERVICE PORTLAND OR  
330 PM PDT MON AUG 13 2001*

*...WATER SUPPLY SUMMARY...*

B. Flood Watch - FFA:

*WGUS66 KSGX 071041 CCA  
FFASGX*

*BULLETIN - IMMEDIATE BROADCAST REQUESTED  
FLOOD WATCH  
NATIONAL WEATHER SERVICE SAN DIEGO CA  
340 AM PDT SAT JUL 7 2001*

*...FLASH FLOOD WATCH FOR THE SAN DIEGO COUNTY MOUNTAINS  
UNTIL 9PM...*

C. Flash Flood Warning - FFW:

*WGUS55 KTWC 140151  
FFWTWC*

*BULLETIN - EAS ACTIVATION REQUESTED  
FLASH FLOOD WARNING  
NATIONAL WEATHER SERVICE TUCSON AZ  
650 PM MST MON AUG 13 2001*

*THE NATIONAL WEATHER SERVICE IN TUCSON HAS ISSUED A  
FLASH FLOOD WARNING FOR*

D. Flood Warning - FLW:

*WGUS46 KSTO 102212  
FLWSTO*

*BULLETIN - IMMEDIATE BROADCAST REQUESTED  
FLOOD WARNING  
NATIONAL WEATHER SERVICE SACRAMENTO CA  
255 PM PDT TUE JUL 10 2001*

*...A FLOOD WARNING HAS BEEN ISSUED FOR THE SACRAMENTO RIVER  
AT TEHEMA BRIDGE...*

E. Flood Statement - FLS:

*WGUS86 KLOX 080400  
FLSLOX*

*FLOOD STATEMENT  
NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA  
900 PM PDT SAT JUL 7 2001*

*...FLASH FLOOD WATCH HAS EXPIRED FOR THE MOUNTAINS OF LOS  
ANGELES COUNTY...*

F. Hydrologic Statements - RVS:

*FGUS85 KSLC 191235  
RVSSLC*

*HYDROLOGIC STATEMENT  
NATIONAL WEATHER SERVICE SALT LAKE CITY UT  
830 AM PST WED MAR 14 2001*

*...RIVER STATEMENT...*

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<b>ID</b>	<b>MND header</b>	<b>Type of Product</b>	<b>Issuance Criteria</b>
ESF	Hydrologic Outlook	Spring Flood Potential Outlook Flood Potential Outlook Water Supply Outlook Water Supply Summary Drought Summary	. Possibility of flooding beyond 36 hours . Water supply information . Information on dry conditions . Possibility of flooding has ended, and no FFA issued
FFA	Flood Watch	Flood Watch (initial issuance) Flash Flood Watch (initial issuance)	. Flooding possible but not certain over next 36 hours . Areal extent or effective time of FFA changes . Dam/levee failure possible but not imminent
FFW	Flash Flood Warning	Flash Flood Warning (initial issuance)	. Flash flooding defined as short fused (6 hours) threatening flooding. . Flash flooding reported . Precipitation capable of producing flash flooding radar, rain gages, and/or satellite . Areal extent or effective time of previous FFW . Dam/levee failure imminent or occurring . Local tools indicate flash flooding is likely
FLW	Flood Warning	Flood Warning (initial issuance) Urban and/or Small Stream Flood Warning (initial issuance)	. Local tools and/or RFC guidance indicate flooding or flooding is reported for official river forecast parts of rivers or small streams. . Areal extent or effective time of previous FLW . Flood category increases (eg. minor to moderate)
FLS	Flood Statement	Flood Warning Continued Flood Warning Ended/Canceled Flood Watch Continued Flood Watch Ended/Canceled Flash Flood Warning Continued Flash Flood Warning Ended/Canceled Flood Advisory Flood Advisory Updated/Continued/Ended/Canceled Urban and/or Small Stream Flood Advisory Urban and/or Small Stream Flood Advisory Updated/Continued/Ended/Canceled	. Cancellation or expiration of a FFW, FLW or FFA . Additional information to supplement FLW, FFW, or FFA . Advisories are issued for minor, non-threatening flooding expected to cause little or no damage.
RVS	Hydrologic Statement	River Statement River Recreational Statement River Ice Statement River Summary	. All other public hydrology products not related to flooding
RVD	Daily River and Lake Summary	Daily River and Lake Summary	. Product issued daily for daily river forecast point guidance for those points every day of the year